

IN THE CLAIMS:

Please cancel Claims 1-10 without prejudice or disclaimer.

11. (New Claim) A process for producing an isotactic homopolymer of propylene with enhanced speed of solidification when solidified from a melt, having a melt temperature of from 139 to 144°C and a difference between the melt temperature and the crystallisation temperature of not more than 50°C, the process comprising homopolymerising propylene in the presence of a metallocene catalyst of general formula:



wherein C_p is a substituted cyclopentadienyl ring; C_p' is a substituted or unsubstituted fluorenyl ring; R'' is a structural bridge imparting stereorrigidity to the component; R_1 is a substituent on the cyclopentadienyl ring which is distal to the bridge, which distal substituent comprises a bulky group of the formula $X R^*_a$ in which X is chosen from Group IVA, $a=2$, and one R^* is chosen from hydrogen or hydrocarbyl of from 1 to 20 carbon atoms and the other different R^* is chosen from a substituted or unsubstituted cycloalkyl where X is a carbon atom in the cycloalkyl ring, R_2 is a substituent on the cyclopentadienyl ring which is proximal to the bridge and positioned *non-vicinal* to the distal substituent and is of the formula $Y R\#_3$ in which Y is chosen from Group IVA, and each $R\#$ is the same or different and chosen from hydrogen or hydrocarbyl of 1 to 7 carbon atoms, R_3 is a substituent on the cyclopentadienyl ring which is proximal to the bridge and is a hydrogen atom or is of the formula $Z R\$_3$ in which Z is chosen from Group IVA, and each $R\$$ is the same or different and chosen from hydrogen or hydrocarbyl of 1 to 7 carbon atoms, each R'_n is the same or different

and is hydrocarbyl having 1 to 20 carbon atoms in which $0 \leq n \leq 8$; M is a Group IVB transition metal or vanadium and each Q is hydrocarbyl having 1 to 20 carbon atoms or is a halogen.

12. (New Claim) A process according to claim 11 wherein R₁ is a methyl-cyclohexyl group.

13. (New Claim) A process according to claim 12 wherein R₂ is a methyl group.

REMARKS

The Applicants originally submitted Claims 1-10 and have canceled those claims and added new Claims 11-13. The Applicants believe that these claims are allowable.

The Applicant respectfully submits that the foregoing claims, as amended, are allowable. Therefore, a Notice of Allowance for Claims 11-13 is respectfully requested.

Should it facilitate allowance of the application, the Examiner is invited to telephone the undersigned attorney. The Commissioner is hereby authorized to charge any additional payment that may be due or credit any overpayment to Deposit Account No. 08-2395.

Respectfully submitted,

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Date: 3/3/04

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